INDEX TO VOLUME XIII

Barratt, M. G. Note on anomalous singular torsion groups. . 75

Brody, E. J. On the fibred spaces of Seifert 161

Browder, W., and **Thomas, E.** Axioms for the generalized Pontryagin cohomology operations 55

Bushell, P. J. The analytic behaviour of the scattering amplitude 99

Carlitz, L. Some expansions in products of Bessel functions . 134

—— Some identities over a finite field 299

Coppel, W. A. On a class of transcendents arising in the theory of elasticity 90

Crittenden, R. Covariant differentiation 285

Dobbie, J. M. A simple proof of the Rogers–Ramanujan identities 31

Dowidar, A. F., and **Petersen, G. M.** Summability of subsequences 81

Eastham, M. S. P. On Hilbert transforms 247

—— An eigenvalue problem with the parameter in the boundary condition 304

Everitt, W. N. Integrable-square solutions of ordinary differential equations (II) 217

Godwin, H. J. On relations between cubic and quartic fields . 206

Hammersley, J. M., and **Welsh, D. J. A.** Further results on the rate of convergence to the connective constant of the hypercubical lattice 108

Heywood, P. Integrability theorems for trigonometric series . 172

Ibrahim, S. A. Quasi-algebraic infinite matrices and Wedderburn's exposition for algebraic infinite matrices 156

Knopfmacher, J. Universal envelopes for non-associative algebras 264

Kuttner, B., and **Sherif, S.** A relation between Tauberian classes 35

Macbeath, A. M. On a theorem by J. Neilsen 235

McLeod, J. B. On an infinite set of non-linear differential equations 119

—— Square-integrable solutions of a second-order differential equation with complex coefficients 129

—— On an infinite set of non-linear differential equations (II) . 193

—— On a recurrence formula in differential equations 283

Mirsky, L. Partial sums of zeros of a polynomial 151

Mohanty, R., and **Nanda, M.** The summability (L) of the differentiated Fourier series 40

Morris, A. O. The spin characters of the symmetric groups . 241

Nanda, M., The summability (L) of the Fourier series and the first differentiated Fourier series 229

——, see **Mohanty, R.**

Orey, S. Non-differentiability of absolute probabilities of Markov chains 252

Parameswaran, S., and Rajagopal, C. T. Remarks on a Tauberian theorem 1

Petersen, G. M., An inequality of Hardy's 237

——, see **Dowidar, A. F.**

Rajagopal, C. T., see **Parameswaran, S.**

Rayner, M. E. A minimum principle for the squares of Fourier coefficients 61

—— Upper and lower bounds for the squares of Fou. er coefficients 137

Sands, A. D. The factorization of Abelian groups ( ) . . 45

Sawyer, D. B. Lattice points in rotated convex sets . . . 221

Sherif, S., see **Kuttner, B.**

Slater, N. B. General forms of Nielsen's Bessel-function identity. 111

Thomas, E., see **Browder, W.**

Titchmarsh, E. C. On the nature of the spectrum in problems of relativistic quantum mechanics (II) 181

—— On the nature of the spectrum in problems of relativistic quantum mechanics (III) 255

Tranter, C. J. On the analogy between a series containing Jacobi polynomials and the Weber–Schafheitlin integral . . . 215

Vere-Jones, D. Geometric ergodicity in denumerable Markov chains 7

Welsh, D. J. A., see **Hammersley, J. M.**

Yadao, G. M. A new formula for $P^m_{m+n}(\cos\alpha)$ 29

—— A generating function for associated Legendre polynomials . 213